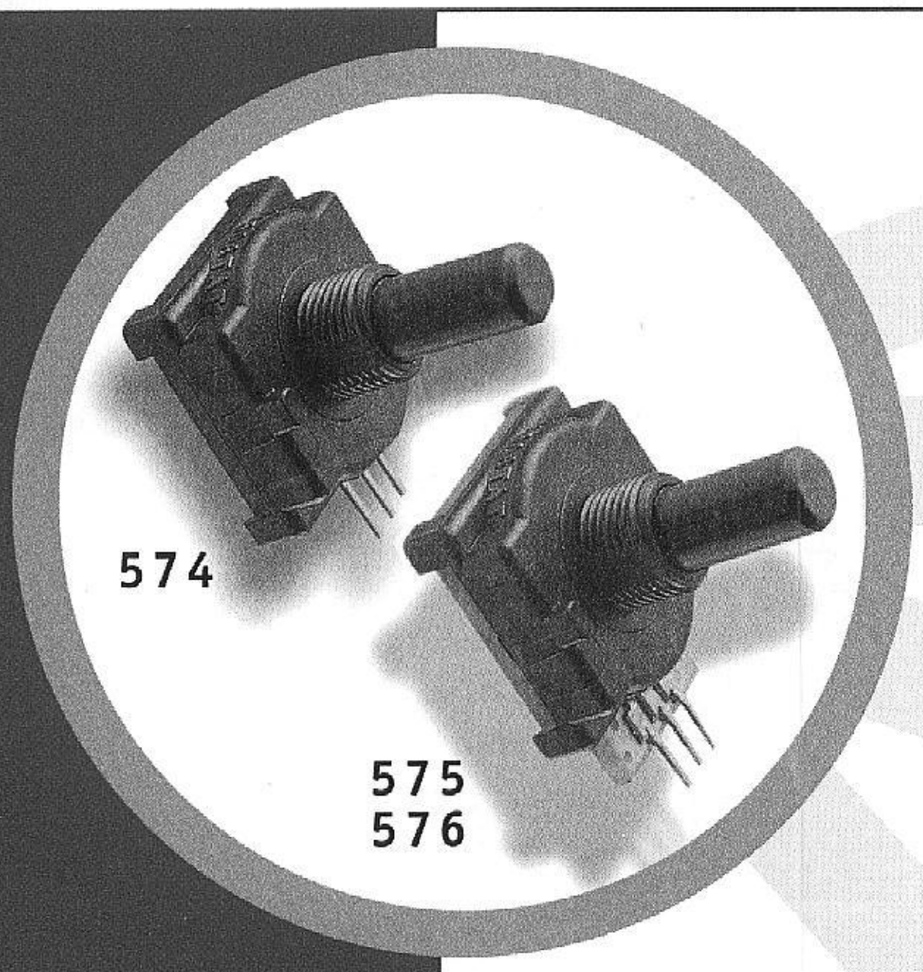
# Model 574, 575, 576

NEW




| FEATURES: | 574 | 575 | 576 |
|---|---|---|---|
| *Flat-pak Type* | Low mount | Square | Long-life |
| *Rotational Life* | 50K cycles | 50K cycles | 2M cycles |
| *Grid Type* | .100 | .100/.200 | .100/.200 |
| *Terminals* | PC | PC & S.H. | PC & S.H. |

- *Conductive Plastic Element*
- *Quiet Electrical Output*
- *Smooth Feel*
- *Robust Construction*

## Electrical

*RESISTANCE RANGE:*
100Ω to 2.5 megΩ- Linear
500Ω to 1.0 megΩ- Non-linear

*RESISTANCE TOLERANCE:*
±20% Standard
±10% Optional

*LINEARITY:*
±5% Independent

*POWER RATING:*
Bushing Mount
0.5 Watt @ 70°C- Linear Taper
0.25 Watt @ 70°C- Non-Linear Taper
PC Mount
0.25 Watt @ 70°C
Derate to 0 Watt @ 120°C

*EFFECTIVE ROTATION:*
270° Nominal

MINIMUM RESISTANCE:
4Ω Max. Each End- Linear
4Ω Max. Low End,
1% High End- Non-Linear

*MAXIMUM CONTINUOUS WORKING VOLTAGE:*
350 VAC

*DIELECTRIC WITHSTANDING VOLTAGE:*
Sea Level- 750 VAC
70000 Feet- 350 VAC

*DYNAMIC NOISE (CRV):*
2% of Rt Standard- Linear

## Mechanical

*CONSTRUCTION:*
Mounting- Bushing or PC
Locating Pin- @ 9 o'clock
"B" Type Mtg. Bracket
"C" Type Mtg. Bracket
Not Sealed for Washing
Detents- Center, 20, None, Left & Right
Shaft Variations- See Diagram
Special shaft ends available

*TERMINALS:*
Number- 3 In Line
Strength- 2 lb Push & Pull
Taps- Center tap

*MECHANICAL ROTATION:*
300° ± 5°

*TORQUE:*
Operating- 0.2 to 2.5 oz. in.,
Stop- 8 in. lbs
Mounting- 7 in. lbs

## Environmental

*STORAGE TEMPERATURE:*
-40°C to +120°C
*TEMPERATURE CYCLING:*
-40°C to +120°C
(4% Δ Rt)
*LOAD LIFE:*
1000 hrs. Rated Load @ 70°C
10% Δ Rt
*ROTATIONAL LOAD LIFE:*
10% Δ Rt Max at Rated Cycle Life
*HUMIDITY:*
85% R.H. @ 40°C, 240 hours,
per MIL STD
103B Test Condition A

**ISO 9001 CERTIFIED**

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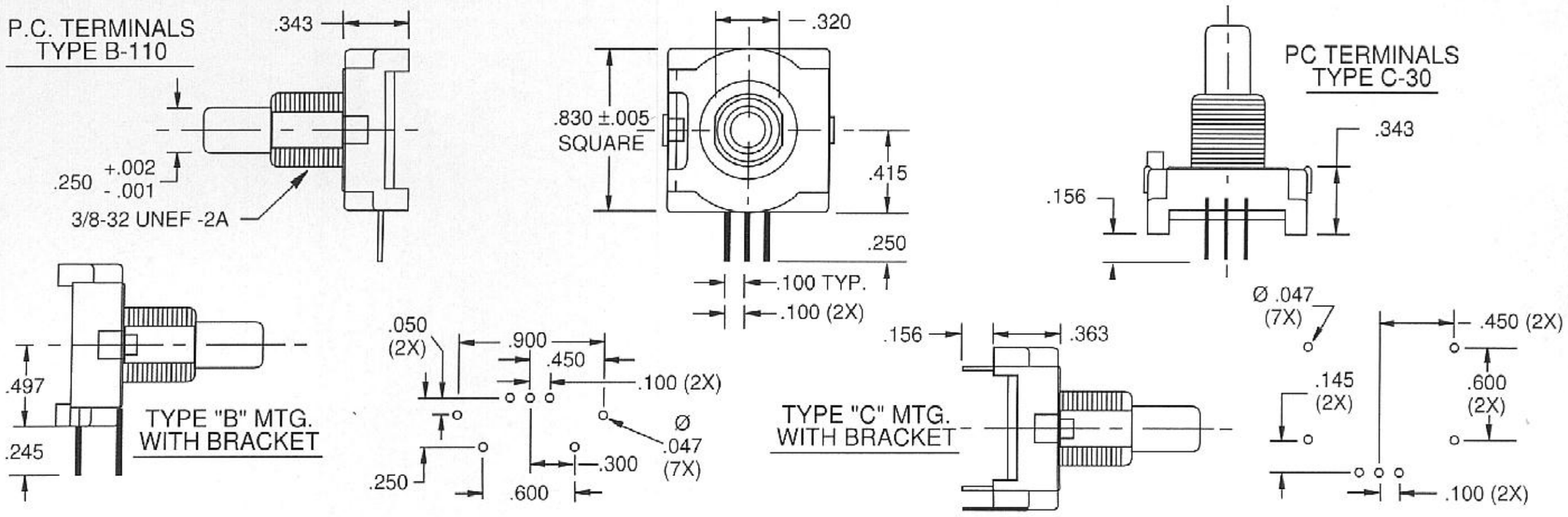
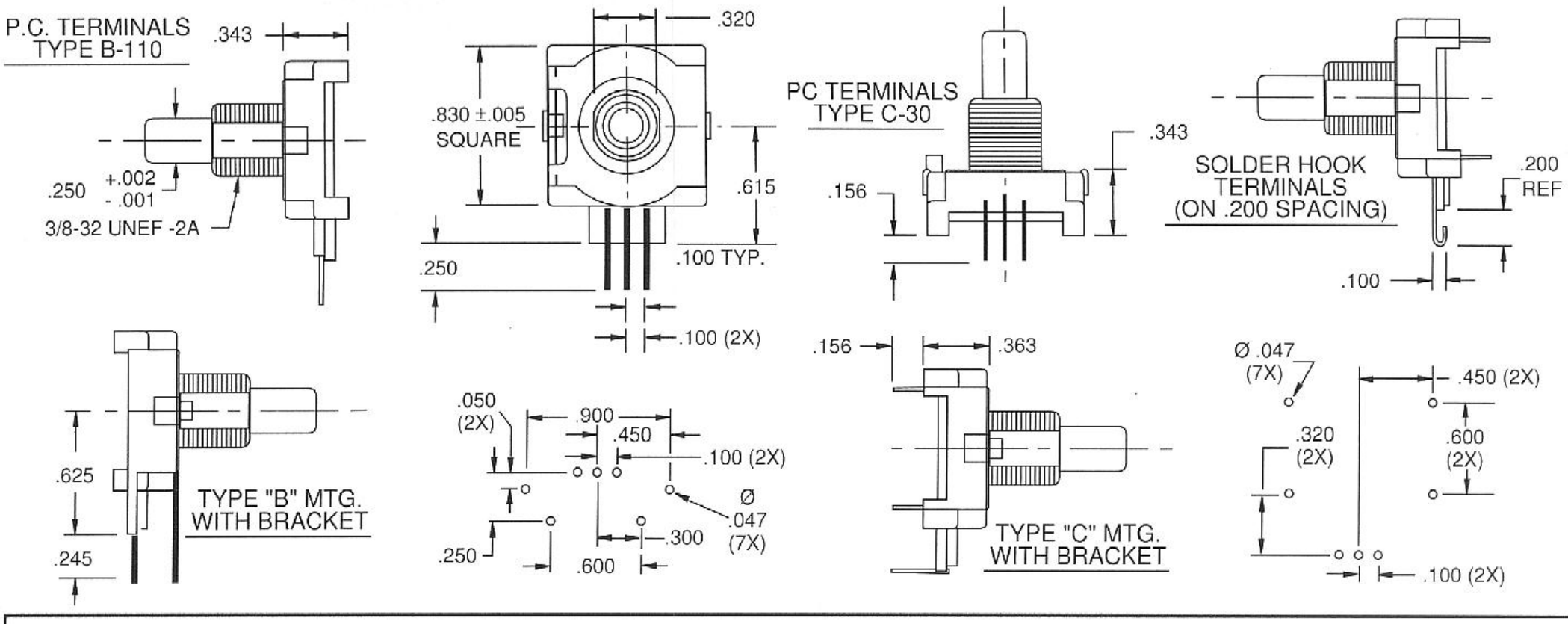
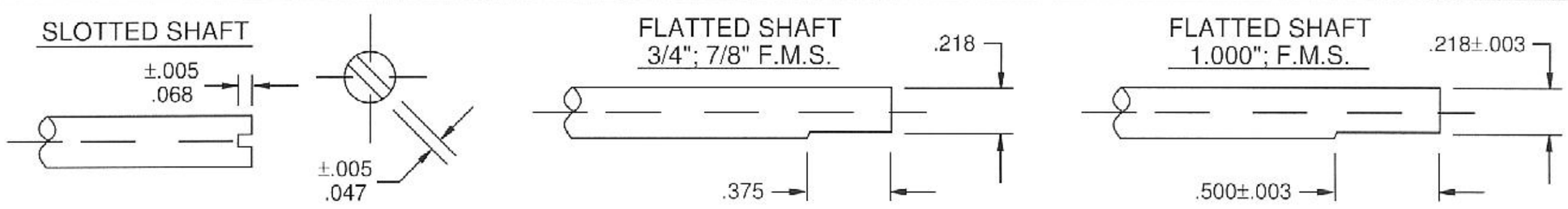
## DIMENSIONS for Series 574




## DIMENSIONS for Series 575, 576




## SHAFT DIMENSIONS for Series 574, 575, 576




## ORDERING INFORMATION

When ordering, indicate the desired options as shown in this example:

**575 S X 1 G 48 S 103 S C**

**SERIES**
574
575
576

**NUMBER OF SECTIONS**
S: Single

**LOCATING PIN**
0: None
1: 9:00 Position

**MECHANICAL CONFIGURATION**
**Series 574-575**
X- No Detent
D- Center Detent
E- 20 Detent
F- Center Tap
G- Center Tap, Center Detent
**Series 576**
X- No Detent
F- Center Tap

**BUSHING SIZE & SHAFT DIAMETER**
G: 3/8"D x 3/8"L 1/4"D Shaft
A: 3/8"D x 1/4"L 1/4"D Shaft
M: M9 x 1/4"L 1/4"D Shaft

**SHAFT LENGTH CODE**
Single Shafts
(Code-FMS in 64ths)
48: 3/4" L
56: 7/8" L
64: 1.0" L

**SHAFT STYLE**
S: Slotted
F: Flatted

**RESISTANCE CODE**
(EIA Code-first two significant digits, third is number of zeros)
Standard Values

| | | |
|---|---|---|
| 100 | 10K | 500K |
| 250 | 20K | 750K |
| 500 | 25K | 1meg |
| 750 | 50K | 2.0meg |
| 1K | 75K | 2.5meg |
| 2.5K | 100K | |
| 5K | 250K | |

**TAPER & TOLERANCE**
S: Linear, ±20%
Z: CW Log, ±20%
R: CCW Log, ±20%

**TERMINAL CONFIGURATION**
**SERIES 574**
P: PC, 0.250"L, B-110 .100 Grid
C: PC, 0.156"L, C-30 .100 Grid
B: P w/B Mtg. Bracket
D: C w/C Mtg. Bracket
**SERIES 575-576**
P: PC, 0.250"L, B-110 .100 Grid
R: PC, 0.250"L, B-110 .200 Grid
C: PC, 0.156"L, C-30 .100 Grid
F: PC, 0.156"L, C-30 .200 Grid
B: P w/B Mtg. Bracket
G: R w/B Mtg. Bracket
D: C w/C Mtg. Bracket
H: F w/C Mtg. Bracket
S: Solder Hook-200 Grid
**Hardware not included.**

**To order or for custom applications, call 800-874-1874**

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